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TI - Nonaqueous heat-generating gel compositions and heat-generating sheet using the compositions

IN - Doi, Ikuko; Sugiyama, Takashi; Yamagata, Yoshifumi; Miyake, Yoshiyuki; Kashiwai, Toshiyuki

PA - Lion Corp., Japan

SO - Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT - Patent

LA - Japanese

IC - ICM A61F007/08

ICS C08K005/053;C08L71/02;C08L101/00

CC - 63-7 (Pharmaceuticals)

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PN - JP2001245913 A 20010911 JP 2000-397377 20001227 <--

PR - JP 1999-373268 A 19991228

AB - The gel compns. contain polyhydric alcs. and polymers which is dissolved in or swollen with the alcs. Also claimed are a heat-generating sheet comprising a support and the compn. A rayon nonwoven fabric was coated with a gel compn. contg. dipropylene glycol 5.0, PEG 400 25, montmorillonite 2.0, TiO₂ 5.0, indomethacin 0.01, eucalyptus oil 0.001, capsaicin 0.001, l-menthol 0.001, perfume, antiseptic, colorant, kaolin 10.0, talc 5.0, methoxypolyethylene glycol methacrylate-methylenebisacrylamide copolymer 40%, and glycerin balance to give a heat-generating antiinflammatory patch. The gel compn. is also useful as cosmetic remover, kitchen-use cleaner, insole, etc.

ST - nonaq heat generating gel polyhydric alc polymer; polyethylene glycol

IT - Vinyl compounds, biological studies

RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (carboxy-contg., polymers; nonaq. heat-generating gel compns. contg. polyhydric alcs. and polymers sol. in or swollen with the alcs.)

IT - Cosmetics

Detergents

(nonaq. heat-generating gel compns. contg. polyhydric alcs. and polymers sol. in or swollen with the alcs.)

IT - Polyoxyalkylenes, biological studies

RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nonaq. heat-generating gel compns. contg. polyhydric alcs. and polymers sol. in or swollen with the alcs.)

IT - Alcohols, biological studies

RL: BUU (Biological use, unclassified); TEM (Technical or engineered

material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(polyhydric; nonaq. heat-generating gel compns. contg. polyhydric alcs.
and polymers sol. in or swollen with the alcs.)

IT - Drug delivery systems

(topical; nonaq. heat-generating gel compns. contg. polyhydric alcs.
and polymers sol. in or swollen with the alcs.)

IT - 9003-01-4, Jurymer 10SHP

RL: BUU (Biological use, unclassified); TEM (Technical or engineered
material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Jurymer 10SHP; nonaq. heat-generating gel compns. contg. polyhydric
alcs. and polymers sol. in or swollen with the alcs.)

IT - 56-81-5, Glycerin, biological studies 79-10-7D, Acrylic acid, esters,
polymers with (meth)acrylic acid 79-10-7D, Acrylic acid, polymers with
(meth)acrylate esters 79-41-4D, Methacrylic acid, esters, polymers with
(meth)acrylic acid 79-41-4D, Methacrylic acid, polymers with
(meth)acrylate esters 107-21-1, Ethylene glycol, biological studies
108-31-6D, Maleic anhydride, polymers with alkyl vinyl ethers 112-34-5,
Diethylene glycol monobutyl ether 557-75-5D, Vinyl alcohol, alkyl
ethers, polymers with maleic anhydride 9002-89-5, GH 17 9003-05-8,
Polyacrylamide 9003-20-7, Poly(vinyl acetate) 9003-39-8, Kollidon 90F
9004-64-2, Hydroxypropyl cellulose 9086-85-5, Poly(hydroxypropyl
methacrylate) 25086-15-1, Eudragit L 100 25249-16-5 25265-71-8,
Dipropylene glycol 25322-68-3, Poly(ethylene glycol)\ 26022-14-0,
Poly(hydroxyethyl acrylate) 28408-65-3, Poly(vinylacetamide)
62501-03-5, Poly(hydroxypropyl acrylate) 62723-61-9D, polymers
87105-87-1, Polymethoxypolyethylene glycol methacrylate 97008-69-0
117931-68-7 191215-11-9 195731-24-9 265990-53-2
RL: BUU (Biological use, unclassified); TEM (Technical or engineered
material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(nonaq. heat-generating gel compns. contg. polyhydric alcs. and
polymers sol. in or swollen with the alcs.)